

POLLUTION PREVENTION

The addition of Stabaxol P 110 into the compound allows the use of a bio-based plastic – PLA (poly lactic acid) - to be used for a durable good application. PLA is a plastic derived from the fermentation of corn and is being used in this application to replace PVC (poly vinyl chloride) , a petroleum-based plastic that can be corrosive to metals surfaces and is toxic upon ignition.

PLA without stabilization is used to make PLA cutlery PLA cups and PLA hotel room cards, all considered nondurable. The addition of Stabaxol P110 to PLA will increase the life expectancy of the PLA to be comparable to PVC, considered a durable good.

See also attached information in Process Description.

When production begins, there are plans to recycle the Waste and Scrap of compounded pellets (Station **IV** on the process diagram) back into the extrusion process.